



ELSEVIER

Molecular Cell Research

Vol. 1449, 1999

BIOCHIMICA ET BIOPHYSICA ACTA

BBA

Cumulative Contents

Information for Contributors

vii

Review

Signal perception and transduction: the role of protein kinases

P.W. Schenk and B.E. Snaar-Jagalska (Netherlands) 1

Regular papers

Cycloheximide and 4-OH-TEMPO suppress chloramphenicol-induced apoptosis in RL-34 cells via the suppression of the formation of megamitochondria

M. Karbowski, C. Kurono, M. Wozniak, M. Ostrowski, M. Teranishi, T. Soji and T. Wakabayashi (Japan, Poland) 25

Cyclosporine-induced renal artery smooth muscle contraction is associated with increases in the phosphorylation of specific contractile regulatory proteins

A. Beall, A. Epstein, D. Woodrum and C.M. Brophy (USA) 41

Purification and characterization of TEF1, a transcription factor that controls the human transforming growth factor- α promoter

D. Wang and J.E. Kudlow (USA) 50

Expression of the hepatocyte growth factor-like protein gene in human hepatocellular carcinoma and interleukin-6-induced increased expression in hepatoma cells

M. Zhu and G.V. Paddock (USA) 63

Glucose metabolism in *Neurospora* is altered by heat shock and by disruption of HSP30

N. Plesofsky and R. Brambl (USA) 73

Interleukin-4 (IL-4), but not IL-10, regulates the synthesis of IL-6, IL-8 and leukemia inhibitory factor by human bone marrow stromal cells

Y. Denizot, A. Besse, S. Rahe, R. Nachat, F. Trimoreau, V. Praloran and A. Godard (France) 83

Effects of lithium on pigmentation in the embryonic zebrafish (*Brachydanio rerio*)

E.-J. Jin and G. Thibaudau (USA) 93

Rapid report

Tobacco BY-2 cell-free extracts induce the recovery of microtubule nucleating activity of inactivated mammalian centrosomes

V. Stoppin-Mellet, C. Peter, B. Buendia, E. Karsenti and A.-M. Lambert (France, Germany) 101

Information for Contributors

vii

Regular papers

Phenotypic transformation of normal rat kidney fibroblasts by endothelin-1. Different mode of action from lysophosphatidic acid, bradykinin, and prostaglandin $F_{2\alpha}$

D.H.T.P. Lahaye, F. Walboomers, P.H.J. Peters, A.P.R. Theuvenet and E.J.J. Van Zoelen (The Netherlands) 107

Differential usage of two 5' splice sites in a complex exon generates additional protein sequence complexity in chicken CLIP-170 isoforms

L. Griparic and T.C.S. Keller III (USA) 119

Evidence for and consequences of chronic heme deficiency in Belgrade rat reticulocytes

M.D. Garrick, D. Scott, D. Kulju, M.A. Romano, K.G. Dolan and L.M. Garrick (USA) 125

Effect of inhibition of cholesterol synthetic pathway on the activation of Ras and MAP kinase in mesangial cells

B.V. Bassa, D.D. Roh, N.D. Vaziri, M.A. Kirschenbaum and V.S. Kamanna (USA) 137

The expression of casein kinase 2 α' and phosphatase 2A activity

M. Pérez and J. Avila (Spain) 150

Wild-type NM23-H1, but not its S120 mutants, suppresses desensitization of muscarinic potassium current

A.d.S. Otero, M.B. Doyle, M.T. Hartsough and P.S. Steeg (USA) 157

- Measurements of $[Ca^{2+}]$ using fura-2 in glioma C6 cells expressing calretinin with GFP as a marker of transfection: no Ca^{2+} -buffering provided by calretinin
K. Billing-Marczak, M. Przybyszewska and J. Kuźnicki (Poland) 169
- Transforming growth factor- β -induced upregulation of transforming growth factor- β receptor expression in pancreatic regeneration
A. Menke, I. Geerling, K. Giehl, R. Vogelmann, M. Reinshagen and G. Adler (Germany) 178
- Involvement of phosphodiesterase-cGMP-PKG pathway in intracellular Ca^{2+} oscillations in pituitary GH₃ cells
M. Cataldi, A. Secondo, A. D'Alessio, F. Sarnacchiaro, A.M. Colao, S. Amoroso, G.F. Di Renzo and L. Annunziato (Italy) 186

Short sequence-papers

- Antibody identification, chromosome map assignment, and sequence analysis of a Rab escort protein homolog in *Drosophila*
H. Dong, Y. Jin, J. Johansen and K.M. Johansen (USA) 194

- Sequence and expression of a cDNA encoding the red seabream androgen receptor
K. Touhata, M. Kinoshita, Y. Tokuda, H. Toyohara, M. Sakaguchi, Y. Yokoyama and S. Yamashita (Japan) 199

Information for Contributors vii

Regular paper

- The human homolog of *Drosophila cornichon* protein is differentially expressed in alloactivated T-cells
N. Utku, G.-C. Bulwin, S. Beinke, T. Heinemann, F. Beato, J. Randall, B. Schnieders, K. Sandhoff, H.-D. Volk, E. Milford and S.R. Gullans (Germany, USA) 203

Short sequence-paper

- Isolation of spermidine synthase gene (*spsA*) of *Dictyostelium discoideum*
K. Guo, W.-T. Chang and P.C. Newell (UK) 211

Subsection – Signal Transduction

Regular papers

- Association of TGF- β signaling in angiotensin II-induced PAI-1 mRNA upregulation in mesangial cells: role of PKC
M. Motojima, J. Kakuchi and T. Yoshioka (Japan) 217
- Effect of tumor necrosis factor- α on insulin signal transduction in rat adipocytes: relation to PKC β and ζ translocation
A. Miura, T. Ishizuka, Y. Kanoh, M. Ishizawa, S. Itaya, M. Kimura, K. Kajita and K. Yasuda (Japan) 227
- Ibd1p, a possible spindle pole body associated protein, regulates nuclear division and bud separation in *Saccharomyces cerevisiae*
J. Lee, H.-S. Hwang, J. Kim and K. Song (South Korea) 239
- Angiotensin II-mediated signal transduction events in cystic fibrosis pancreatic duct cells
H.S. Cheng, S.C. So, S.H. Law and H.C. Chan (China) 254
- Cyclic AMP induces inhibition of cyclin A expression and growth arrest in human hepatoma cells
J. Lee, Y.H. Choi, P. Nguyen, J.-S. Kim, S.J. Lee and J.B. Trepel (USA) 261
- Continuous phosphorylation of GAP-43 and MARCKS by long-term TPA treatment in SK-N-SH human neuroblastoma cells
A.M. Goldsmith and M.E. Gnegy (USA) 269
- G-protein signalling pathways and oestrogen: a role of balanced maintenance in osteoblasts
S. Papaioannou, A.M. Tumber, M.C. Meikle and F. McDonald (UK) 284
- Cumulative Contents, Vol. 1449 293
- Author Index 295

